First Hit Previous Doc Next Doc Go to Doc#

Generate Collection Print

L34: Entry 23 of 27 File: DWPI Sep 26, 1986

DERWENT-ACC-NO: 1986-295077
DERWENT-WEEK: 198645

TITLE: Brazing titanium (alloy) to stainless steel - involves initially applying nickel coating then nickel-palladium alloy coating to the titanium

PATENT-ASSIGNEE:

ASSIGNEE	CODE
SEIKO EPSON CORP	SHIH

PRIORITY-DATA: 1985JP-0057957 (March 22, 1985)

Search Selected Search ALL Clear

PATENT-FAMILY:

	PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
☐	JP 61216851 A	September 26, 1986		000	

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 61216851A	March 22, 1985	1985JP-0057957	

INT-CL (IPC): B23K 1/20; G04B 37/22

ABSTRACTED-PUB-NO: JP 61216851A
BASIC-ABSTRACT:

Ni coating having a thickness of more than 0.1 micron is formed (plated) as an undercoat on the brazing surface or whole surface of the Ti or Ti alloy by wet plating, sputtering or ion plating. A Ni-Pd alloy coating which contains Pd more than 30 wt.% and has a thickness of more than 0.3 micron is plated (coated) on the Ni coating, using a similar method.

Alternatively, an Au strike and Ni-Pd alloy coating is plated on the brazing surface or whole surface of the stainless steel to be brazed with the Ti or Ti alloy. The Ni-Pd alloy coating has a thickness of more than 0.3 micron and contains Pd:more than 30 wt.%.

The brazing process is carried out on the assembly using a brazing filler metal such as an Ag alloy or Cu alloy having a m.pt. of lower than 850 deg.C.

TITLE-TERMS: BRAZE TITANIUM ALLOY STAINLESS STEEL INITIAL APPLY NICKEL COATING NICKEL PALLADIUM ALLOY COATING TITANIUM

ADDL-INDEXING-TERMS:
ALLOY

DERWENT-CLASS: M23 P55 S04

CPI-CODES: M23-A04;

EPI-CODES: S04-A04B;

SECONDARY-ACC-NO:
CPI Secondary Accession Numbers: C1986-127954
Non-CPI Secondary Accession Numbers: N1986-220262

Previous Doc Next Doc Go to Doc#